IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Masaaki Muramatsu et al.

Art Unit

: Unknown

Serial No.: 09/647,027

Examiner: Unknown

Filed

: September 26, 2000

Title

: METHOD FOR DETECTING CHANGES IN GENE EXPRESSION LEVEL IN

CELLS THAT HAVE BEEN TREATED WITH TEST COMPOUND

BOX PCT

Commissioner for Patents Washington, D.C. 20231

RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCES

In response to the communication dated May 7, 2001 (copy enclosed), applicants submit herewith a Sequence Listing in computer readable form as required by 37 CFR §1.824. In addition, applicants submit a substitute Sequence Listing as required under 37 CFR §1.823(a) and a statement under 37 CFR §§1.821(f) and (g).

Please amend the application as follows:

In the specification

Applicants respectfully request entry of the substitute paper copy and computer-readable copy of the Sequence Listing filed herewith for the instant application. Please replace the original Sequence Listing with the substitute Sequence Listing.

CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No. EL 856747396 US

I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit

Signature

Typed or Printed Name of Person Signing Certificate

Applicant: Masaaki Muram et al

Serial No.: 09/647,027

Filed: September 26, 2000

Page : 2

Attorney's Dock .: 06501-064001 / H1-802PCT-

US

REMARKS

Applicants hereby submit that the enclosures fulfill the requirements under 37 C.F.R. §1.821-1.825. The amendment to the specification merely replaces the original paper copy of the Sequence Listing with a substitute paper copy of the Sequence Listing wherein the general information, such as serial number and docket number, has been amended to reflect the information for the instant application. No new matter has been added.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: / Me 12, 2001

Janis K. Fraser, Ph.D., J.D.

Reg. No. 34,819

Fish & Richardson P.C. 225 Franklin Street

Boston, MA 02110-2804

Telephone: (617) 542-5070 Facsimile: (617) 542-8906

20270694.doc

IN THE UNITED STATES RECEIVING OFFICE

Applicant: Masaaki Muramatsu et al.

Serial No.: 09/647,027

Filed

September 26, 2000

Title

: METHOD FOR DETECTING CHANGES IN GENE EXPRESSION LEVEL IN

CELLS THAT HAVE BEEN TREATED WITH TEST COMPOUND

BOX PCT

Commissioner for Patents Washington, D.C. 20231

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS

Responsive to the Notification of Missing Requirements under 35 U.S.C. 371 mailed May 7, 2001 (copy enclosed), Applicants as a small entity submit herewith the following:

Response to Notice to Comply, 2 pgs.; copy of Notification to Comply with \square Requirements, 1 pg.; Statements under 35 CRF 1.821(f) and (g), 2 pgs.; paper copy of sequence listing, 2 pgs.; and computer-readable diskette.

It is understood that this perfects the application and no additional papers or filing fees are required.

CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No. EL 856747396 US
I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington
June 12 2001
Date of Deposit Samantha Bell
Signature Quantha BOII
Typed or Printed Name of Person Signing Certificate

Applicant: Masaaki Murama

Serial No.: 09/647,027

Page

Filed : September 26, 2000 : 2

Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

ey's Docket No.: 06501-064001

Date:

Janis K. Fraser, Ph.D., J.D.

Reg. No. 34,819

Fish & Richardson P.C. 225 Franklin Street

Boston, MA 02110-2804

Telephone: (617) 542-5070 Facsimile: (617) 542-8906

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United States Pateni and Trademark Office

Commissioner for Patents, Box PCT United States Patent and Trademark Office Washington, D.C. 20231

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U.S. APPLICATION NO.	FIRST NAMED APPLICANT		ATTY, DOCKET NO.
09/647027	MURAMATSU	М	06501 064001
JANIS K FRASER 225 FRANKLIN STREET	Docketed By Practice Systems Action Jode Minry Pop Sopically Base Date: 5-7-01	INTERNATIONAL APPLICATION NO.	
		PCT/JP99/01574	
BOSTON, MA 02110 2804	Due Date 7-7-01	I.A. FILING DATE	PRIORITY DATE
	Deadline 11-7-01 Initial: TMG	26 MAR 99	27 MAR 98
i		DATE MAILED:	07 MAY 2001

NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant has submitted papers under 35 U.S.C. 371 to enter the national stage in the United States of America. The items indicated below, however, are missing. The period within which to correct the deficiency noted below and avoid abandonment is set forth in the accompanying Notification.

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):

The application fails to comply with the requirements of 37 CFR 1.821-1.825.

This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c).

A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e).

A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."

The computer readable form that has been filed with this application has been found to be

The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).

The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).

Other:

APPLICANT MUST PROVIDE:

- An initial or substitute computer readable form (CRF) of the "Sequence Listing."
- An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification.
- A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d).

FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL:

- (703) 308-4216, for Rules interpretation,
- (703) 308-4212, for CRF submission help,
- (703) 287-0200, for Patentin software help.

Francine Young hone: 703-305-3662

FORM PCT/DO/EO/920 (March 2001)



PARTMENT OF COMMERCE

Paralegal Specialist (703) 305-3662

Patent and Trademark Office

Address: ASSISTANT COMMISSIONER FOR PATENTS
Box PCT

	Washington, D.C. 20231		Washi	
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Oath or Declaration of inventor Copy of Article 19 amendment				
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Information Disclosure Stateme		and	•	
Assignment document.				
Power of Attorney and/or Char	*			
Substitute specification filed Statement Claiming Small Entit		•		
Priority Document.				
Copy of the International Searc	h Report [] and cop	pies of the references cited th	herein.	
Other: 2. The following items MUST be furn	nished within the per-	od set forth below in order	to complete the requirements for	
acceptance under 35 U.S.C. 371:				
a. Translation of the application		-	quired if submitted	
later than the appropriate 20 The current translation	· ·	ne priority date. reasons indicated on the atta	ached Notice of Defective	
Translation.			. *	
b. Processing fee for providing		·	exes later that the	
appropriate 20 or 30 months			d (b), identifying the application	
by the International applicati			- (b),,	
		omply with 37 CFR 1.497(a)) and (b) for the reasons indicate	
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priority date (37 CFR 1.492	· ·	tion that the appropriate 20 c	n so monais nom mo	
3. Additional claim fees of \$	as a large e	-	= : : : :	
dependent claim fee, are required. Ap which fees are due (37 CFR 1.492(g)).	· .		cancel the additional claims for	
Which lees are due (37 CFR 1.492(g)).	See allached P10-	075.		
ALL OF THE ITEMS SET FORTH	·			
MONTH FROM THE DATE OF THE			·	
DATE FOR THE APPLICATION, V RESULT IN ABANDONMENT.	VHICHEVER IS LA	TIER, FAILURE TO PRO	OPERLY RESPOND WILL	
The time period set above may be exte	nded by filing a petit	ion and fee for extension of	time under the provisions of 37	
CFR 1.136(a).				
4. Translation of the Annexes MUST	be submitted no later	that the time period set abo	ove or the annexes will be	
cancelled. Note processing fee will be				
5. The Article 19 amendments are (1.494(d)) or 30 (37 CFR 1.495(d)) mo	· ·	- · · · · · · · · · · · · · · · · · · ·	the appropriate 20 (37 CFR	
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Applicant is reminded that any commu	· · · · ·		·	
address given in the heading and inclu-	de the U.S. application	on no. shown above. (37 CF	(K 1.5)	
A copy of this not	tice MIIST	he returned wit	h this resnance	
Enclosed: PCT/DO/EO/917	Motice of Defecti	,	Incine Young	
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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES PATENT AN	AD TRADEMARK OFFICE		Commissioner for Patents Box PC	; F
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The following items have been submiffice as				
U.S. Basic National Fee.	ce (37 CFR 1.494) 🔀 an Elect	Small Entity Status.		,]
Copy of the international a	pplication. Translation of	the international application	into English. In the Daily on English.	- 1
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Priority Document.	inciris. Outer.		Cod.	٥
·	ary Examination Report in Englis the International Preliminary Exa		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Desg
- Applicant has requested early pro	ocessing under 35 U.S.C. 371(f)	but has not filed the followi	ng indicated items and/or	*
indicated items in paragraph 3 below	The Basic National Fee and the)
or to 20 or 30 months from the priori U.S. Basic National Fee.		ternational application.	af See	retan
The following items MUST be furni eptance under 35 U.S.C. 371:	shed within the period set forth b	below in order to complete t	he requirements for	<u></u>
•	ation into English. A processing	fee will be required if sub	nitted	,
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	ding the translation of the applica	ttion and/or the Annexes lat	er than the	
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the application (prefer surcharge will be requ	rably by the International application of submitted later than the a	tion number and internation	al filing date). A	
date. The current oath or de	eclaration does not comply with 1	37 CFR 1.497(a) and (b) for	r the reasons	
indicated on the attach	ned PCT/DO/EO/917.			. 1.
priority date (37 CFR	the oath or declaration later than	the appropriate 20 or 30 m	onths from the	
Additional claim fees of \$	as a large entity sma	ll entity, including any requ	ired multiple dependent	
im fee, are required. Applicant must	·	or cancel the additional cla	ims for which fees are	
e (37 CFR 1.492(g)). See attached P	10-875.			
\mathbf{x}_{\parallel} Applicant has not submitted the reT/DO/EO/920.	equired sequence listing pursuant	to 37 CFR 1.821-1.825.	See attached	
L OF THE ITEMS SET FORTH I ONTHS FROM THE DATE OF THE E PRIORITY DATE FOR THE A SPOND WILL PESULT IN ABAN	HIS NOTICE OR BY 22 OR 32 PPLICATION, WHICHEVER	MONTHS (where 37 CF)	R 1.495 applies) FROM	
e time period set above may be extended. 36(a).				
If box 3a or 3c is checked, a translatenexes will be cancelled. A processin. The Article 19 amendments are case (37 CFR 1.495(d)) months from the case of the case	g fee will be required if submitte ancelled since a translation was n	d later than 20 or 30 month	s from the priority date.	
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